

ABSTRACT

The invention concerns a device for the incremental measurement of displacement and position of two objects relatively movable in translation, comprising a scale (1) connected to one of the objects and consisting of a metal tape including a scale formed by a longitudinal series of openings (4). The scale slides in a housing provided with high-frequency transmitters (6) on one side of the scale and high-frequency receivers (7) on the other surface. When the scale (13) moves along, the receivers supply measurement signals by the alternation of the openings (4) that open the high-frequency field on the receivers (7) then by the interposition of the metal intervals which protect them from the high-frequency field.